

## INTERNATIONAL SEARCH REPORT

10/2004

Rec'd 27 SEP 2004  
PCT/EP 03/04433A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K14/705

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	STEHLIN C ET AL: "X-ray structure of the orphan nuclear receptor RORbeta ligand-binding domain in the active conformation" EMBO JOURNAL, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 20, no. 21, 1 November 2001 (2001-11-01), pages 5822-5831, XP002221986 ISSN: 0261-4189 the whole document page 5822, left-hand column, line 33 - line 39 figure 5 ---	1-7, 19, 20, 28, 29
X	---	9-18 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the International search report

8 August 2003

22/08/2003

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP/04433

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	STEVENS R C: "High-throughput protein crystallization" CURRENT OPINION IN STRUCTURAL BIOLOGY, CURRENT BIOLOGY LTD., LONDON, GB, vol. 10, no. 5, October 2000 (2000-10), pages 558-563, XP002208529 ISSN: 0959-440X the whole document ---	1-7, 19, 20, 28, 29
Y	VILLASENOR A ET AL: "FAST DROPS: A HIGH-THROUGHPUT APPROACH FOR SETTING UP PROTEIN CRYSTAL SCREENS" BIOTECHNIQUES, EATON PUBLISHING, NATICK, US, vol. 32, no. 1, January 2002 (2002-01), pages 184, 186, 188-189, XP001063195 ISSN: 0736-6205 the whole document ---	1-7, 19, 20, 28, 29
X	WO 01 26737 A (NOVARTIS ERFIND VERWALT GMBH ; KNEISSEL MICHAELA (CH); NOVARTIS AG) 19 April 2001 (2001-04-19) claims 3-5 the whole document ---	23-27
X	WO 99 50660 A (RASPE ERIC ; BONHOMME YVES (FR); MERCK PATENT GMBH (US)) 7 October 1999 (1999-10-07) the whole document page 5, line 32 -page 12, line 35 ---	23-27
X	WO 95 27202 A (CIBA GEIGY AG ; MISSBACH MARTIN (CH); WIESENBERG IRMGARD (DE)) 12 October 1995 (1995-10-12) page 1, line 1-6; example 2 page 6, paragraph 3 -page 7, paragraph 4 page 4, line 9-13 ---	23-27
P, X	WO 03 000732 A (GREINER ERICH FRIEDRICH ; SCHUELE ROLAND (DE); STEHLIN CATHERINE (F)) 3 January 2003 (2003-01-03) the whole document claims 14-21 ---	1-7, 9-20, 23-29
P, X	KALLEN JOERG A ET AL: "X-ray structure of the hRORalpha LBD at 1.63 ANG: Structural and functional data that cholesterol or a cholesterol derivative is the natural ligand of RORalpha." STRUCTURE (CAMBRIDGE), vol. 10, no. 12, 20 December 2002 (2002-12-20), pages 1697-1707, XP002250690 ISSN: 0969-2126 the whole document ---	1-7, 9-20, 23-29

**INTERNATIONAL SEARCH REPORT**International Application No.  
PCT/JP 03/04433**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 8  
because they relate to subject matter not required to be searched by this Authority, namely:

see FURTHER INFORMATION sheet PCT/ISA/210

2.  Claims Nos.: 21-22  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

see FURTHER INFORMATION sheet PCT/ISA/210

3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Claims Nos.: 8

The subject-matter of claim 8 is confined with the presentation of information and as such excluded from patentability under Rule 39.1(v) PCT and will therefore not be searched. This information is disclosed in the form of atomic coordinate listing of a computer model, a model and is stored on a computer readable medium.

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Continuation of Box I.2

Claims Nos.: 21-22

Present claims 21-22 relate to pharmaceutical compositions defined by reference to a desirable characteristic or property, namely destabilizing helix 12 of ROR-alpha in the agonist position.

The claims cover all pharmaceutical compositions having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for none of such pharmaceutical compositions. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the pharmaceutical compositions by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search for these claims impossible. Consequently, these claims have been excluded from the search.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/04433

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 0126737	A 19-04-2001	AU 1134601 A WO 0126737 A2 EP 1239922 A2 JP 2003511426 T		23-04-2001 19-04-2001 18-09-2002 25-03-2003
WO 9950660	A 07-10-1999	FR 2776388 A1 AU 752062 B2 AU 3521599 A CA 2326141 A1 WO 9950660 A1 EP 1070253 A1 NZ 507761 A		24-09-1999 05-09-2002 18-10-1999 07-10-1999 07-10-1999 24-01-2001 25-10-2002
WO 9527202	A 12-10-1995	AU 2109695 A AU 9244798 A CA 2182700 A1 WO 9527202 A1 EP 0753147 A1 FI 963028 A HU 75128 A2 JP 9511334 T US 6218359 B1 US 5958683 A		23-10-1995 04-02-1999 12-10-1995 12-10-1995 15-01-1997 27-09-1996 28-04-1997 11-11-1997 17-04-2001 28-09-1999
WO 03000732	A 03-01-2003	WO 03000732 A2		03-01-2003